

DERWENT-ACC-NO: 2006-120779

DERWENT-WEEK: 200613

COPYRIGHT 2008 DERWENT INFORMATION LTD

TITLE: Internal control device for transmission with
double clutch, has carriage with fingers to engage
transmission ratios, and spacer with peripheral sectors,
where fingers and sectors are disposed symmetrically relative
to axis of spacer

INVENTOR: FOURNIER V; MAILLARD J P

PATENT-ASSIGNEE: RENAULT SAS[RENA]

PRIORITY-DATA: 2004FR-008457 (July 30, 2004)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
FR 2873776 A1	February 3, 2006	FR

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
FR 2873776A1	N/A	2004FR-008457
July 30, 2004		

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	F16H59/04	20060101

ABSTRACTED-PUB-NO: FR 2873776 A1

BASIC-ABSTRACT:

NOVELTY - The device has a carriage with fingers (221, 222) displacing shift forks (230, 250) to engage transmission ratios. A spacer has peripheral sectors (212, 213) of large diameter cooperating with jaw clutches driving the forks. The number of fingers is equal to number of sectors. The

fingers and
the sectors are disposed symmetrically relative to an axis of the
spacer, where
each finger is comprised between two sectors.

DESCRIPTION - The spacer is axially fixed and rotatably moved to
drive the
carriage in rotation.

USE - Used for internal control of a transmission with double clutch.

ADVANTAGE - The fingers permit the engagement of the transmission
ratios since
the fingers are disposed symmetrically with respect to the axis of
the spacer,
thus increasing the functionalities of the internal control which
permits to
carry out transfer of ratios under torque. The assembly constituted
by the
fingers and the peripheral sectors is mounted in rotation without any
stop
limiting the rotation. The absence of the stop permits continuous
rotation of
the assembly during a chain of ratio changes without being blocked.

DESCRIPTION OF DRAWING(S) - The drawing shows a side view of an
internal
control device.

Selector (210)

Spacer (211)

Peripheral sectors (212, 213)

Carriage (220)

Fingers (221, 222)

Shift forks (230, 250)

Jaw clutches (252, 262, 272, 282)

CHOSEN-DRAWING: Dwg.3/10

TITLE-TERMS: INTERNAL CONTROL DEVICE TRANSMISSION DOUBLE CLUTCH
CARRIAGE FINGER

ENGAGE RATIO SPACE PERIPHERAL SECTOR DISPOSABLE
SYMMETRICAL
RELATIVE AXIS

DERWENT-CLASS: Q64

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: 2006-104205